

## LISTING OF CLAIMS

1. (currently amended) A method for generating a digital signature in a signature device having a signature program and certificate with signature key stored thereon for the signing of a document, wherein the digital signature identifies said device and at least one characteristic of the hardware and software environment used for generating said digital signature in said signature device, comprising the steps of:
  - a) receiving input information to said signature device; and
  - b) executing said signature program by the steps of: creating a signature data set comprising at least the received information, an identifier to identify said signature device, at least one identifying characteristic of the hardware and software environment used for generating said digital signature ~~to identify said signature device~~, and a document extract value of the document for signing; and creating an expanded

digital signature by encrypting the signature data set with the aid of a signature key stored in said certificate.

2. (previously presented) The method in accordance with Claim 1, wherein said receiving input information comprises procuring the value of a signature counter from said signature device.
3. (original) The method in accordance with Claim 2, further comprising, prior to said procuring, creating the signature counter as an attribute of the signature key.
4. (previously presented) The method in accordance with Claim 1 wherein the receiving input information comprises procuring the identifying characteristic to identify the signature device from said signature device.
5. (previously presented) The method in accordance with Claim 1, wherein the receiving input information comprises procuring information as to the hardware and

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software environment used in creating the digital signature.

6. (currently amended) The method in accordance with Claim 1, further comprising entering an identifying characteristic to identify a ~~the~~ holder of the signature key prior to said receiving input information.
7. (original) The method in accordance with Claim 6, further comprising creating the identifying characteristic to identify the holder of the signature key as an attribute of the signature key.
8. (original) The method in accordance with Claim 7, further comprising changing the identifying characteristic to identify the holder of the signature key prior to said receiving.
9. (currently amended) An electronic signature device for generating a digital signature to sign a document comprising:

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- a) a receiver for receiving input information;
  - b) at least one storage location for storing at least a signature program and a certificate with signature key;
  - c) a data processor component for executing said signature program comprising at least a component for creating a signature data set comprising at least the received information, an identifier to identify said signature device, at least one identifying characteristic of the hardware and software environment used for generating said digital signature identifying the signature device, and a document extract value of the document for signing; and
  - d) an encryption component for creating an expanded digital signature by encrypting the signature data set with the aid of a signature key stored at said signature device.
10. (original) The signature device in accordance with Claim 9, wherein the device is a chipcard.

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11. (currently amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for generating a digital signature to sign a document in a signature device having a signature program and certificate with signature key stored thereon, said method steps comprising:
- a) receiving input information to said signature device; and
  - b) executing said signature program by the steps of:  
creating a signature data set comprising at least the received information, an identifier to identify said signature device, at least one identifying characteristic of the hardware and software environment used for generating said digital signature ~~for identifying said signature device~~, and a document extract value of the document for signing; and creating an expanded digital signature by encrypting the signature data set with the aid of a signature key stored in said certificate.

12. (canceled)

13. (currently amended) The ~~improvement~~ method in accordance with Claim ~~12~~ 1, wherein said at least one identifying characteristic ~~the additional information~~ comprises information which uniquely identifies said digital signature ~~it~~ in relation to every other digital signature generated with the same signature key.

14-15. (canceled)

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